

Title (en)
Washer

Title (de)
Unterlegscheibe

Title (fr)
Rondelle

Publication
EP 1091135 A3 20011219 (DE)

Application
EP 00121955 A 20001009

Priority
DE 19948868 A 19991008

Abstract (en)
[origin: EP1264996A1] The fixing element has an unlosable attached underlay washer (1) and an annular flange on the side facing the washer. The underlay washer has at least three holding tabs (3) projecting from its outer edge (5). These tabs can be bent up round the flange. The bending region (9) of the holding tabs may lie within the washer radius.

IPC 1-7
F16B 39/10

IPC 8 full level
F16B 39/10 (2006.01); **F16B 39/26** (2006.01); **F16B 43/00** (2006.01)

CPC (source: EP)
F16B 39/108 (2013.01); **F16B 39/26** (2013.01); **F16B 43/00** (2013.01)

Citation (search report)
• [X] DE 528400 C 19310629 - OLAV TRYGVE THEODORSEN
• [X] FR 910334 A 19460604
• [X] US 1374054 A 19210405 - BRIDGE ALEXANDER C
• [X] GB 208626 A 19231227 - FREDERICK COMLEY

Cited by
CN104343803A; CN108150402A; EP2230410A1; CN103542113A; CN108361396A; EP2872802B1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1091135 A2 20010411; **EP 1091135 A3 20011219**; AT E309480 T1 20051115; DE 19948868 A1 20010412; DE 19948868 B4 20081127; DE 50011595 D1 20051215; DK 1264996 T3 20060123; EP 1264996 A1 20021211; EP 1264996 B1 20051109; EP 1264996 B9 20060315; ES 2256377 T3 20060716

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